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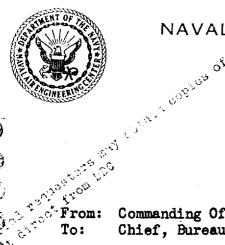
SCIENTIFIC AND TECHNICAL INFORMATION

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## NAVAL AIR ENGINEERING CENTER

PHILADELPHIA 12, PA.

In Reply Refer To: XM-42-DM:1bg 10360 (1429)

26 NOV 1963

್ಪರ್ From: Commanding Officer, Naval Air Engineering Center, Philadelphia 12, Pa.

Chief, Bureau of Naval Weapons (RRMA-51)

Subj:

PAN C 12 RMA 53-1, Miscellaneous Work Under Preservation & Packaging-Parts and Equipment; Report No. NAEC AML 1808, Requirements and Methods of MIL-C-18487(NOrd) and MIL-C-11796, Class 2, Review of

Ref:

(a) BUWEPS ltr RRMA-36 of 22 Aug 1961

(b) NAEC 1tr XM-2-JHB: jsk 3930/2 (304) of 26 Jun 1963

- 1. The Naval Air Engineering Center was requested by reference (a) to review a series of Bureau of Ordnance specifications for cancellation, combination, or revision. Action on a number of these was presented in reference (b), at which time, the Aeronautical Materials Laboratory indicated intention to investigate the consolidation of MIL-C-18487(NOrd) with MIL-C-11796, Class 2 under PAN C 12 RMA 53-1.
- 2. With the exception of the Salt Spray and Rain test, requirements and methods contained in MIL-C-18487(NOrd) are similar to those of Class ? under MIL-C-11796. Specimens coated with a compound conforming to MIL-C-11'196, Class 2 were subjected to the Salt Spray and Rain test which consisted of the following:
- a. One coated specimen was sprayed lightly with a 4% salt solution and exposed directly to the weather for 60 days.
- Three coated specimens were conditioned for 24 hours at 1400Fg One was exposed directly to the weather for 60 days. Another was apprayed lightly with a 4% salt solution once every day for a period of 5 days. The third specimen was exposed to an intermittent shower of water maintained at 100°F for 5 hours after which the specimen was permitted to dry for 24 hours.

Upon completion of these exposures, the specimens were examined and observed to be free from rust.

- 3. Based on the foregoing, it is recommended that MIL-C-18487(NOrd) be cancelled and that MIL-C-11796, Class 2 compounds be used for those applications where the former was specified.
- 4. This is a partial report under the subject problem assignment which will be held open to permit completion of other work now in progress.

RE Fellowes R. E. FELLOWES By direction

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